

Title (en)

Coplanar waveguide filter and method of forming same

Title (de)

Koplanarer Filter und zugehöriges Herstellungsverfahren

Title (fr)

Filtre coplanaire et sa méthode de fabrication

Publication

**EP 1562254 B1 20100414 (EN)**

Application

**EP 05002145 A 20050202**

Priority

- JP 2004027187 A 20040203
- JP 2004027219 A 20040203
- JP 2004259685 A 20040907

Abstract (en)

[origin: EP1562254A1] A plurality of one-quarter wavelength coplanar resonators 5a to 5d are formed in series on a dielectric substrate 1, and coplanar input/output terminal sections 4a and 4b are formed on the dielectric substrate at opposite ends of the series connection for coupling with resonators 5a and 5d, respectively. A center conductor line width w1 of each of the resonators 5a to 5d is equal to a center conductor line width wio of each of the input/output terminal section 4a and 4b, but a ground conductor spacing d1 of each of the resonators 5a to 5d is greater than a ground conductor spacing dio of each of input/output terminal section 4a and 4b. Maintaining the accuracy of design is facilitated and a reduction in the maximum current density in the resonator is enabled. <IMAGE>

IPC 8 full level

**H01P 1/201** (2006.01); **H01P 1/203** (2006.01); **H01P 7/08** (2006.01)

CPC (source: EP KR US)

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